**LAB EXERCISE**

*Emp->empno,ename,job,sal,mgr,comm,hiredate,deptno*

*Dept->deptno,dname,loc*

1. List the emps who are not working in CHICAGO and gets a commission.

SELECT\*FROM EMP WHERE COMM IS NOT NULL AND DEPTNO NOT IN(SELECT DEPTNO FROM DEPT WHERE LOC ='CHICAGO')

1. List the names of job. Where atleast3 are working in that job.

SELECT JOB ,COUNT(JOB)FROM EMP GROUP BY JOB HAVING COUNT(\*)>=3

1. List the details of most recently hired emp of dept 30

SELECT\*FROM EMP WHERE DEPTNO=30 AND HIREDATE=(SELECT MAX(HIREDATE)FROM EMP WHERE DEPTNO=30)

1. Select department name & location of all the employees who gets a commission.

SELECT DNAME,LOC FROM DEPT WHERE DEPTNO IN(SELECT DEPTNO FROM EMP WHERE COMM IS NOT NULL

1. Find the total annual sal to distribute job wise in the year 1982.

SELECT SUM(SAL\*12)FROM EMP WHERE HIREDATE BETWEEN '01-DEC-81' AND '31-DEC-81' GROUP BY JOB

Select job, sum(sal\*12) from emp where to\_char( hiredate,’YYYY’) = 1982 group by job

1. Find out the MANAGER and ANALYST who are working for KING.

SELECT\* FROM EMP WHERE JOB IN('MANAGER','ANALYST') AND DEPTNO IN(SELECT DEPTNO FROM EMP WHERE MGR=(SELECT MGR FROM EMP WHERE ENAME='KING')

1. List the emps who’s Jobs are same as ALLEN. Exclude the ALLEN’s details.

SELECT\*FROM EMP WHERE JOB IN(SELECT JOB FROM EMP WHERE ENAME='ALLEN')

1. List the emps with departmental information Whose Jobs are same as BLAKE or ALLEN whose or Sal is more than FORD.

WHERE ENAME='FORD')

SELECT\*FROM DEPT WHERE DEPTNO IN(SELECT DEPTNO FROM EMP WHERE JOB IN(SELECT JOB FROM EMP WHERE ENAME IN('BLACK','ALLEN') AND SAL<(SELECT SAL FROM EMP WHERE ENAME='FORD'))

1. Find the highest paid employee of sales department.

SELECT ENAME,SAL FROM EMP WHERE SAL=(SELECT MAX(SAL)FROM EMP WHERE DEPTNO IN(SELECT DEPTNO FROM DEPT WHERE DNAME='SALES'))

1. List the highest paid emp working under king.

SELECT ENAME,SAL FROM EMP WHERE SAL=(SELECT MAX(SAL)FROM EMP WHERE SAL IN(SELECT SAL FROM EMP WHERE MGR IN(SELECT EMPNO FROM EMP WHERE ENAME='KING')))

1. Find the details of the 2nd highest salary holder.

SELECT \* FROM EMP WHERE SAL IN(SELECT MAX(SAL) FROM EMP WHERE SAL<(SELECT MAX(SAL) FROM EMP ))

1. Find the details of the 3rd lowest salary holder.

SELECT \* FROM EMP WHERE SAL IN(SELECT MIN(SAL) FROM EMP WHERE SAL>(SELECT MIN(SAL) FROM EMP WHERE SAL>(SELECT MIN(SAL) FROM EMP )))

1. Find out the department where at least 2 MANAGERS are working

SELECT DEPTNO,COUNT('DEPTNO')FROM EMP where job='MANAGER'GROUP BY DEPTNO HAVING COUNT(\*)>2

select COUNT(JOB) FROM EMP WHERE job='MANAGER' having count(\*)>=2

SELECT DEPTNO FROM DEPT WHERE DEPTNO IN (SELECT COUNT(JOB) FROM EMP WHERE JOB = 'MANAGER' HAVING COUNT(JOB) >= 2)

1. Find out the total salaries of CLERKs and ANALYSTs where each individual get more

than 1000.

SELECT ENAME,SAL+NVL(COMM,0)FROM EMP WHERE SAL+NVL(COMM,0)>1000 AND DEPTNO IN(SELECT DEPTNO FROM EMP WHERE JOB IN('CLERK','ANALYST'))

1. Find the location where maximum number of employee is located

SELECT LOC FROM DEPT WHERE DEPTNO IN (SELECT MAX(DEPTNO)FROM EMP)